

METHOD FOR THE PREPARATION OF 1-BENZOTRIAZOLYL CARBONATE
ESTERS OF POLY(ETHYLENE GLYCOL)

ABSTRACT OF THE DISCLOSURE

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The invention provides a method for preparing a 1-
benzotriazolylcarbonate ester of a water-soluble and non-peptidic polymer by reacting a
terminal hydroxyl group of a water-soluble and non-peptidic polymer with di(1-
benzotriazolyl)carbonate in the presence of an amine base and an organic solvent. The
10 polymer backbone can be poly(ethylene glycol). The 1-benzotriazolylcarbonate ester
can then be reacted directly with a biologically active agent to form a biologically active
polymer conjugate or reacted with an amino acid, such as lysine, to form an amino acid
derivative.